

BEST AVAILABLE COPY

To: USPTO General

From: Michelle Craig (JJF)

2-27-06 10:34pm p. 1 of 7

RECEIVED
CENTRAL FAX CENTER

FEB 28 2006

Berkeley Law & Technology Group, LLC

1700 NW 167th Place, Suite 240
Beaverton, OR 97006
Phone: 503.439.6500
Fax: 503.439.6558

Fax

To: USPTO	From: Michelle Craig, Reg. No. 52,776
Fax: 571.273.8300	Pages: 7, including this cover sheet
Phone:	Date: FEB 28 2006
Our Ref: 012.P53009	CC:

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Please find attached for filing in connection with application no. 09/884,312, entitled FAST CYCLIC REDUNDANCY CHECK (CRC) GENERATION, the following documents:

- REV/POA
- Statement Under 37 CFR 3.73(b)
- Copy of Assignment of Patent Rights executed 9/8/2005 (4 pages)

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted by facsimile to the U.S. Patent and Trademark Office on:

FEB 28 2006

Date of Transmission

Julianne Flynn
Name of Person Transmitting Correspondence

Signature

PTO/SB/80 (04-06)

Approved for use through 11/30/2005, OMB 0851-0036

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

00043831

OR

☐ Practitioner(s) named below (If more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

00043831

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone	Email		


Assignee Name and Address:

Null Networks LLC
2215-B Renaissance Drive, Suite 5
Las Vegas, NV 89119

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	17 NOV 2005
Name	Julia Cefalo, Authorized Person, Null Networks LLC		Telephone
Title			

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

RECEIVED
CENTRAL FAX CENTER

FEB 28 2006

PTO/SB/86 (08-03)

Approved for use through 07/31/2006, OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Null Networks LLCApplication No./Patent No.: 09/884,312 6,820,228 Filed/Issue Date: 6/18/2001 11/16/2004Entitled: FAST CYCLIC REDUNDANCY CHECK (CRC) GENERATIONNull Networks LLC

(Name of Assignee)

, a Limited Liability Company

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:1. From: Richard B. KellerTo: NETWORK ELEMENTS, INC.The document was recorded in the United States Patent and Trademark Office at
Reel 011929, Frame 0083, or for which a copy thereof is attached.2. From: NETWORK ELEMENTS, INC.To: TRIQUINT SEMICONDUCTOR, INC.The document was recorded in the United States Patent and Trademark Office at
Reel 016182, Frame 0809, or for which a copy thereof is attached.3. From: TRIQUINT SEMICONDUCTOR, INC.To: Null Networks LLCThe document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

2/15/06

Date

503.439.6500

Telephone number

Michelle Craig, Reg. No. 52,776

Typed or printed name

Michelle Craig

Signature

Attorney at Law

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Exhibit B

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, TriQuint Semiconductor, Inc. having offices at 2300 NB Brookwood Parkway, Hillsboro, Oregon 97124, ("Assignor"), does hereby sell, assign, transfer and convey unto Null Networks LLC, a Nevada limited liability company, having an office at 2215-B Renaissance Drive, Suite 5, Las Vegas, NV 89119 ("Assignee") or its designees, all of Assignor's right, title and interest in and to the patent applications and patents listed below, any patents, registrations, or certificates of invention issuing on any patent applications listed below, the inventions disclosed in any of the foregoing, any and all counterpart United States, international and foreign patents, applications and certificates of invention based upon or covering any portion of the foregoing, and all reissues, re-examinations, divisionals, renewals, extensions, provisionals, continuations and continuations-in-part of any of the foregoing (collectively "Patent Rights"):

Patent or Appl. Number	Country	Filing Date	Title and Inventor(s)
6,567,418	USA	5/18/2001	OPTICAL NETWORKING MODULE INCLUDING PROTOCOL PROCESSING AND UNIFIED SOFTWARE CONTROL
6,580,731	USA	5/18/2001	MULTI-STAGE SONET OVERHEAD PROCESSING
6,701,479	USA	5/16/2001	FAST CYCLIC REDUNDANCY CHECK (CRC) GENERATION
6,732,228	USA	7/19/2001	MULTI-PROTOCOL DATA CLASSIFICATION USING ON-CHIP CAM
6,803,562	USA	8/1/2002	INDIRECT MONITORING OF SEMICONDUCTOR LIGHT SOURCE WITHIN A PHOTONIC PACKAGE
6,820,228	USA	6/18/2001	FAST CYCLIC REDUNDANCY CHECK (CRC) GENERATION
6,842,816	USA	7/31/2001	CONFIGURABLE GLUELESS MICROPROCESSOR INTERFACE
09/836,965	USA	4/17/2001	PIPELINED DECIPHERING ROUND KEYS GENERATION
09/836,970	USA	4/17/2001	UTILIZING AVAILABLE SONET OVERHEAD BYTES FOR ADDITIONAL SIGNALING CHANNELS
09/860,207	USA	5/18/2001	MULTI-PROTOCOL NETWORKING PROCESSOR WITH DATA TRAFFIC SUPPORT SPANNING LOCAL, REGIONAL AND WIDE AREA NETWORKS
09/910,116	USA	7/19/2001	PROGRAMMABLE PACKET FILTERING IN A PRIORITIZED CHAIN
09/918,691	USA	7/30/2001	DATA LINK/PHYSICAL LAYER PACKET DIVERSION AND INSERTION
09/918,886	USA	7/30/2001	PROGRAMMABLE SONET FRAMING

Document Id: TriQuint NEI Patents - Patent Purchase Agreement - Final(3) - Execution Copy - 2005-07-05

Patent or Appli- cation No.	Country	Filing Date	Title and Inventor(s)
09/918,931	USA	7/30/2001	DATA LINK/PHYSICAL LAYER PACKET BUFFERING AND FLUSHING
09/919,728	USA	7/31/2001	METHOD AND APPARATUS FOR PROGRAMMABLE GENERATION OF TRAFFIC STREAMS
6,804,537	USA	8/27/2001	DATA TRANSMISSION ACROSS ASYNCHRONOUS TIME DOMAINS USING PHASE-SHIFTED DATA PACKET
10/087,263	USA	3/1/2002	DATA BYTE INSERTION CIRCUITRY
10/087,722	USA	3/1/2002	HARDWARE SELF-SORTING SCHEDULING QUEUE
10/087,876	USA	3/1/2002	MONITORING A SEMICONDUCTOR LASER UTILIZING AN INCORPORATED BEAM SPLITTER DEVICE
10/106,977	USA	3/25/2002	IMPEDANCE MATCHING CONNECTION SCHEME FOR HIGH FREQUENCY CIRCUITS
10/136,662	USA	4/30/2002	METHOD AND APPARATUS FOR FAST MODULAR REDUCTION
10/210,989	USA	8/2/2002	SOFTWARE METHODS OF AN OPTICAL NETWORK APPARATUS WITH MULTIPLE MULTI-PROTOCOL OPTICAL NETWORKING MODULES HAVING INSERTION
10/211,001	USA	8/2/2002	FLEXIBLE INTERRUPT HANDLING METHODS FOR OPTICAL NETWORK APPARATUS WITH MULTIPLE MULTI-PROTOCOL OPTICAL NETWORKING MODULE
10/211,002	USA	8/2/2002	SOFTWARE METHODS OF AN OPTICAL NETWORK APPARATUS WITH INTEGRATED MODULES HAVING PROTOCOL PROCESSORS AND PHYSICAL LAYER COM
10/211,005	USA	8/2/2002	SOFTWARE METHODS OF AN OPTICAL NETWORK APPARATUS WITH MULTIPLE MULTI-PROTOCOL OPTICAL NETWORKING MODULES
10/211,046	USA	8/2/2002	COUNTER FUNCTIONS IN AN APPLICATION PROGRAM INTERFACE FOR NETWORK DEVICES
10/211,047	USA	8/2/2002	EXTENSIBLE CONFIGURATION METHODS FOR OPTICAL NETWORK APPARATUS WITH MULTIPLE MULTI-PROTOCOL OPTICAL NETWORKING MODULES
10/211,158	USA	8/2/2002	METHODS OF AN OPTICAL NETWORK APPARATUS WITH MULTIPLE MULTI-PROTOCOL OPTICAL NETWORKING MODULES HAVING PACKET FILTERING RESOURCES
10/211,174	USA	8/2/2002	PREEMPTIVE NETWORK TRAFFIC CONTROL FOR REGIONAL AND WIDE AREA NETWORKS
10/276,626	USA	10/10/2002	FLEXIBLE ARCHITECTURE FOR SONET AND OTN FRAME PROCESSING
10/279,154	USA	10/23/2002	A CONTENT ADDRESSABLE MEMORY WITH AUTOMATED LEARNING
10/307,104	USA	11/27/2002	METHOD AND APPARATUS FOR CONTROLLING AN OPTICAL TRANSPONDER

Patent or Appl. Number	Country	Filing Date	Title and Inventor(s)
10/393,088	USA	3/19/2003	DATA TRANSMISSION ERROR REDUCTION VIA AUTOMATIC DATA SAMPLING TIMING ADJUSTMENT
10/414,116	USA	4/14/2003	OPTICAL NETWORKING MODULE INCLUDING PROTOCOL PROCESSING AND UNIFIED SOFTWARE CONTROL
10/428,167	USA	4/30/2003	MULTI-STAGE SONET OVERHEAD PROCESSING
10/444,460	USA	5/22/2003	LASER DRIVE METHOD AND APPARATUS
PCT/US02/15800	PCT	5/17/2002	AN OPTICAL NETWORKING MODULE INCLUDING PROTOCOL PROCESSING AND UNIFIED SOFTWARE CONTROL
PCT/US02/15594	PCT	5/17/2002	MULTI-STAGE SONET OVERHEAD PROCESSING
PCT/US02/15496	PCT	5/14/2002	FAST CYCLIC REDUNDANCY CHECK (CRC) GENERATION
PCT/US02/12316	PCT	4/17/2002	PIPELINED DECIPHERING ROUND KEYS GENERATION
PCT/US02/15755	PCT	5/17/2002	A MULTI-PROTOCOL NETWORKING PROCESSOR WITH DATA TRAFFIC SUPPORT SPANNING LOCAL, REGIONAL AND WIDE AREA NETWORKS
PCT/US02/24288	PCT	7/30/2002	DATA LINK PHYSICAL LAYER PACKET DIVERSION AND INSERTION
PCT/US02/24289	PCT	7/30/2002	PROGRAMMABLE SONET FRAMING
PCT/US02/24348	PCT	7/31/2002	METHOD AND APPARATUS FOR PROGRAMMABLE GENERATION OF TRAFFIC STREAMS
6,679,636	USA	6/29/2004	METHOD AND APPARATUS FOR MAINTAINING ALIGNMENT OF A LASER DIODE WITH AN OPTICAL FIBER

Assignor represents, warrants and covenants that: (i) it is the sole owner, assignee and holder of record title to the Patent Rights identified above, (ii) it has obtained and properly recorded previously executed assignments for all patent applications and patents identified above as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction, and (iii) it has full power and authority to make the present assignment.

Assignor further agrees to and hereby does sell, assign, transfer and convey unto Assignee all of Assignor's rights: (i) in and to causes of action and enforcement rights for the Patent Rights including all rights to pursue damages, injunctive relief and other remedies for past and future infringement of the Patent Rights, and (ii) to apply in any or all countries of the world for patents, certificates of invention or other governmental grants for the Patent Rights, including without limitation under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement or understanding. Assignor also hereby authorizes the respective patent office or governmental agency in each juris-

diction to issue any and all patents or certificates of invention which may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee and, except as provided below, without demanding any further consideration therefor, take commercially reasonable steps, including without limitation the execution, acknowledgment and recordation of specific assignments, oaths, declarations and other documents on a country-by-country basis, to assist Assignee in obtaining, fully perfecting, sustaining and/or conveying unto Assignor the Patent Rights. Such assistance shall include using commercially reasonable efforts to provide, and obtain from the respective inventors, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, powers of attorney, specifications, declarations or other papers and other assistance reasonably necessary for filing patent applications, complying with any duty of disclosure, and conducting prosecution, reexamination, reissue, interference or other priority proceedings, opposition proceedings, cancellation proceedings, public use proceedings, infringement or other court actions and the like with respect to the Patent Rights. Assignee agrees, as a condition to Assignor's assistance, to reimburse Assignor's out-of-pocket expenses associated with enforcing the Patent Rights including any incurred in connection with infringement or other actions, provided that Assignor obtains Assignee's approval prior to incurring such expenses, which approval shall not be unreasonably withheld.

The terms and conditions of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, its successor, assigns and other legal representatives.

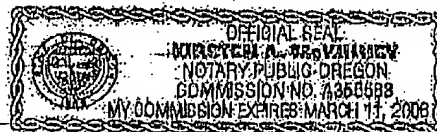
IN WITNESS WHEREOF this Assignment of Patent Rights is executed at 10:25 AM
on September 8, 2005

ASSIGNOR

By: 

Name: Glen A. Riley

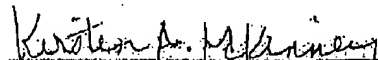
Title: VP Business Development



State of OREGON

County of Washington

Signed or attested before me on September 8, 2005 by Glen Riley



Notary Public - State of Oregon

My commission expires March 11, 2008



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☒ **BLACK BORDERS**

☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**

☐ **FADED TEXT OR DRAWING**

☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**

☐ **SKEWED/SLANTED IMAGES**

☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**

☒ **GRAY SCALE DOCUMENTS**

☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**

☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**

☒ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.